

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/001199

A. CLASSIFICATION OF SUBJECT MATTER  
Int.C1<sup>7</sup> H01C10/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.C1<sup>7</sup> H01C10/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

JOIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2-216896 A (Teikoku Tsushin Kogyo Kabushiki	1, 4
Y	Kaisha),	2, 5-10, 12-15
A	29 August, 1990 (29.08.90), Full text; all drawings (Family: none)	3, 11
Y	JP 2001-15308 A (Murata Mfg. Co., Ltd.), 19 January, 2001 (19.01.01), Full text; all drawings & US 20020070843 A1 & KR 2001007605 A	2, 5-10, 12-15
Y	JP 2002-289411 A (Denso Corp.), 04 October, 2002 (04.10.02), Par. Nos. [0053] to [0056] (Family: none)	5, 10

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

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Date of the actual completion of the international search  
26 April, 2004 (26.04.04)Date of mailing of the international search report  
18 May, 2004 (18.05.04)Name and mailing address of the ISA/  
Japanese Patent Office

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